

REMARKS

Claims 1-18 and 42-49 are now pending in the present application. The election of Group I – Claims 1-18 is hereby affirmed. Claims 19-41 have been withdrawn pursuant to a restriction requirement. Additionally, Claims 1, 4, 7-9, 13-17 have been amended, Claims 2-3 have been cancelled, and new Claims 42-49 have been added.

In accordance MPEP § 608.02(g), the Examiner has pointed out an informality with regard to Figure 2 in that the drawing should include a designation in the legend of --Prior Art-- in that only that which is old is illustrated. Applicant has submitted substitute drawings with a proposed correction to the drawing, labeled Figure 2, as suggested by the Examiner. This change will be incorporated into a formal set of drawings upon approval of the proposed changes by the Examiner.

Applicant has carefully studied the outstanding Office Action. The present Response is intended to be fully responsive to all points of rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of this application are respectfully requested. No new matter has been added by any of the amendments to the specification. Applicant respectfully requests reconsideration and withdrawal of the Examiner's rejections in view of the foregoing amendments and following remarks.

CLAIM REJECTIONS – 35 U.S.C. § 102

Claims 1-18

The Examiner has rejected claims 1-18 under 35 U.S.C. § 102(a) as being unpatentable by the “onHand” (Applicant's IDS cit no. C-G) reference. The Examiner has stated that:

Regarding Claims 1-7, the onHand reference teaches a method and system of updating a data memory in a personal digital assistant device and a wristwatch, comprising the steps of (and for system embodiments, the means + function is also taught) powering a watch, running a program resident on the watch, wherein said program identifies at least one data set to synchronize, selecting an external data set located on an external digital device to synchronize with at least one watch data set, establishing a communication link between the external digital device and the watch, and, updating the at least one data set (See entire document).

Regarding Claims 2-6 and 8-12, the onHand reference teaches a method and system wherein said step of running a resident program further comprises erasing at least one watch data set located on the memory of the watch, said resident program is transmitted to a memory of a watch or personal digital assistant said communication link is established via wireless signals, said

updating is accomplished by erasing at least one data set on the watch memory and inputting at least one updated data set on the watch memory, said communication link is established via an IR port, an internet connection, an intranet connection or a satellite link (See entire document).

Regarding Claims 13 and 16, the onHand reference teaches a method and system for updating a data set in a personal digital assistant and a watch comprising a personal digital assistant with a processor and a memory containing at least one data set, a watch with a processor and memory containing at least one data set corresponding with at least one data set located on the personal digital assistant memory, a two way communication link for linking the personal digital assistant and watch during memory update synchronization, comparing at least one corresponding data set located on the personal digital assistant memory and the watch memory, copying at least one corresponding data set located on the personal digital assistant memory and the watch memory, and updating at least one corresponding data set located on the personal digital assistant memory and the watch memory (See entire document).

Regarding Claims 14-15 and 17-18, the onHand reference teaches a method and system wherein the personal digital assistant is at least one of a wristwatch, a wireless telephone, a wireless pager or a personal computer, wherein the two-way communication link is established via an IR port, an R.F. port, a wire link, a wireless link, an Internet connection, an intranet connection or a satellite link (See entire document).

Claims 1, and 4-18, as amended, are novel despite the teachings of the “onHand” Reference. The “onHand” Reference does not teach or suggest that its device, system or method includes a display which includes an integrated controller, with a separate microcontroller used to run the operating system. Indeed, as pointed out at page 13, line 15 *et seq.*, of the specification of the present application, a key feature of the present invention is the use of a display which includes an integrated controller. In this configuration, the microcontroller is not required to remain powered in order to drive the display. Thus, when the display is only displaying time in hours and minutes, the microcontroller runs in standby mode most of the time consuming very little power and switches on for only a fraction of a second to update the display with the integrated controller. A rejection under §102 for anticipation requires that the single reference teach each and every element or step of the rejected claim. *See, Atlas Powder v. E.I. DuPont*, 750 F.2d 1569, 224 USPQ 409 (Fed. Cir. 1984). A prior art reference anticipates the claimed invention under 35 U.S.C. § 102 only if every element of a claimed invention is identically shown in that single reference, arranged as they are in the claims. *In re Bond*, 910 F.2d 831, 832, 15 U.S.P.Q.2d 1566, 1567 (Fed. Cir. 1990). The “onHand” Reference does not show every element of the claimed invention, and therefore, does not anticipate the claimed invention. Thus, a rejection under 35 U.S.C. § 102 is improper. Applicant respectfully requests Examiner to withdraw this rejection.

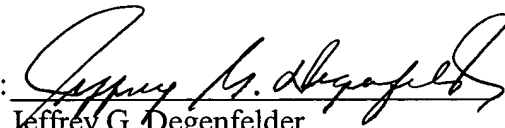
CONCLUSION

Applicant has adopted the Examiner's suggestions and believes the claims are in condition for allowance. It is respectfully urged that the subject application is patentable over references cited by Examiner and is now in condition for allowance. Applicant requests consideration of the application and allowance of the claims. If there are any outstanding issues that the Examiner feels may be resolved by way of a telephone conference, the Examiner is cordially invited to contact David W. Carstens at 972.367.2001.

The Commissioner is hereby authorized to charge any additional payments that may be due for additional claims to Deposit Account 50-0392.

Respectfully submitted,

By:



Jeffrey G. Degenfelder
Registration No. 44,647
Attorney for Applicants

Date: September 28, 2004
CARSTENS & CAHOON, LLP
P.O. Box 802334
Dallas, TX 75380
(972) 367-2001 *Telephone*
(972) 367-2002 *Facsimile*

CLEAN VERSION OF CLAIMS:

1. (Currently Amended) A method of conserving power in an electronic wrist watch having a digital display while synchronizing a first data set in a personal digital assistant device with a second data set in said wrist watch, comprising the steps of:

- (a) powering a microcontroller, a processor and a data transfer mechanism integral to said watch, wherein said watch includes a display having an integrated controller for driving said display operations;
- (b) running a configuration program resident on the watch, wherein said program identifies said second data set to synchronize;
- (c) establishing a communication link between the personal digital assistant device and the watch;
- (d) transmitting the configuration program from said watch to said personal digital assistant device via said communication link, wherein said program identifies and selects said first data set located on said device;
- (e) transferring said first data set from said personal digital assistant device to said watch via said communication link;
- (f) comparing said first and second data sets, wherein said configuration program prompts a user to synchronize said data sets when said first data set conflicts with said second data set;
- (g) overwriting said second data set with said first data set; and
- (h) powering down said watch microcontroller, processor and data transfer mechanism, upon verification by resident configuration program that said first and second data sets are identical.

2. (Cancelled)

3. (Cancelled)

4. (Original) The method of Claim 1 wherein said communication link is established via wireless signals.
5. (Currently Amended) The method of Claim 1 wherein said overwriting step is accomplished by erasing said second data set on the watch memory and inputting said first data set on the watch memory.
6. (Original) The method of Claim 1 wherein said communication link is established via an IR port, an internet connection, an intranet connection or a satellite link.

7. (Currently Amended) A system for conserving power in a wrist watch having an electronic display while synchronizing a first data set in a personal digital assistant device with a second data set in said wrist watch, comprising the steps of:

- (a) means for powering a microcontroller, a processor and a data transfer mechanism integral to said watch, wherein said watch includes a display having an integrated controller for driving said display operations;
- (b) means for running a program resident on the watch, wherein said program identifies said second data set to synchronize;
- (c) means for identifying and selecting said first data set located on said personal digital assistant device ;
- (d) means for establishing a communication link between the personal digital assistant device and the watch;
- (e) means for synchronizing said first and second data sets when said program detects a conflict between said data sets; and
- (f) means for powering down said microcontroller, processor and data transfer mechanism, while maintaining power to said display having said integrated controller.

8. (Currently Amended) The system of Claim 7 further comprising means for erasing said second data set located on the memory of a watch.

9. (Currently Amended) The system of Claim 8 wherein said resident program is transmitted to a memory of said personal digital assistant device.

10. (Original) The system of Claim 7 wherein said communication link is established via wireless signals.

11. (Original) The system of Claim 7 wherein said updating is accomplished by erasing at least one data set on the watch memory and inputting at least one updated data set on the watch memory.

12. (Original) The system of Claim 7 wherein said communication link is established via an IR port, an internet connection, an intranet connection or a satellite link.

13. (Currently Amended) A system for conserving power while updating a data set comprising:

- (a) a personal digital assistant device having a processor and a memory containing a first data set;
- (b) a wrist watch having an electronic display with an integrated controller for driving said display operations, wherein said watch further includes a microcontroller, a processor and a memory containing an operation system and a second data set;
- (c) means for selectively powering said microcontroller to initiate a memory update synchronization; and
- (d) means for establishing a two way communication link for linking the personal digital assistant device and the watch during the memory update synchronization.

14. (Currently Amended) The system of Claim 13 wherein the personal digital assistant device is a wristwatch, a wireless telephone, a wireless pager or a personal computer.

15. (Currently Amended) The system of Claim 13 wherein the two way communication link is established via an IR port, an RF port, a wire link, a wireless link, an internet connection, an intranet connection or a satellite link.

16. (Currently Amended) A system for conserving power while updating data comprising:

- (a) a personal digital assistant device having a processor and a memory containing a first data set;
- (b) an electronic watch having a display which includes an integrated controller for driving said display, wherein said watch further includes a microcontroller, a processor and a memory containing a second data set; wherein said microcontroller periodically powers up at from a standby mode to a powered mode to update said integrated controller to change the time on the display;
- (c) means for manually powering said microcontroller to initiate a memory update synchronization;
- (d) means for establishing a two way communication link between the personal digital assistant device and the watch during a memory update synchronization;
- (e) means for comparing said first data set located on the personal digital assistant memory with said second data set on the watch memory;
- (f) means for updating said second data set with said first data set when said comparing means detects a conflict between said data sets; and
- (g) means for automatically powering down said microcontroller to said standby mode upon completion of said memory update synchronization.

17. (Currently Amended) The system of Claim 16 wherein the personal digital assistant device is a wristwatch, a wireless telephone, a wireless pager or a personal computer.

18. (Original) The system of Claim 16 wherein the two way communication link is established via an IR port, an RF port, a wire link, a wireless link, an internet connection, an intranet connection or a satellite link.

42. (New) A system for enabling the synchronization of data sets between a watch having an electronic display and a personal digital assistant device while conserving power in the watch, comprising:

- (a) an integrated controller incorporated into said electronic display, wherein said integrated controller drives said display;
- (b) a microcontroller connected to said display, wherein said microcontroller automatically and periodically activates from a standby mode to a momentary powered mode to update said integrated controller to change the time on the display;
- (c) a processor connected to said microcontroller;
- (d) a memory connected to said processor, wherein said memory contains a first data set and an operating system;
- (e) means for manually activating said microcontroller to initiate a memory update synchronization;
- (e) means for establishing a two way communication link between said watch and said personal digital assistant device upon initiation of said memory update synchronization;
- (f) means for synchronizing said first data set with a second data set located on the personal digital assistant device; and
- (g) means for automatically powering down said microcontroller to said standby mode upon completion of said memory update synchronization.

43. (New) The system of Claim 42 wherein said means for synchronizing comprises:

- i) means for comparing said first data set with said second data set; and
- ii) means for updating said first data set with said second data set when said comparing means detects a conflict between said data sets.

44. (New) The system of Claim 42 wherein the electronic display is a liquid crystal display, an electrophoretic display or an organic light emitting device display.
45. (New) The system of Claim 42 wherein the means for manually activating said microcontroller comprises a touch screen, a push-button or a rocker switch.
46. (New) The system of Claim 42 wherein the microcontroller automatically activates at least once every minute from a standby mode to a momentary powered mode to update said integrated controller to change the time on the display.
47. (New) The system of Claim 42 wherein the microcontroller automatically activates at least once every second from a standby mode to a momentary powered mode to update said integrated controller to change the time on the display.
48. (New) The system of Claim 42 wherein the microcontroller automatically activates at least once every tenth of a second from a standby mode to a momentary powered mode to update said integrated controller to change the time on the display.
49. (New) The system of Claim 42 wherein the two way communication link means comprises an IR port, an RF port, a wire link, a wireless link, an internet connection, an intranet connection or a satellite link.